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2. Software architecture for integration of video services in the Etherphone system

Rangan, P.V.; Swinehart, D.C.;
 Selected Areas in Communications, IEEE Journal on
 Volume 9, Issue 9, Dec. 1991 Page(s):1395 - 1404
 Digital Object Identifier 10.1109/49.108677

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3. 90 mm rewritable optical disk drive

Nakane, K.; Ogawa, M.; Yoshimoto, K.; Ogura, M.; Kiyose, Y.; Furukawa, T.;
 Consumer Electronics, IEEE Transactions on
 Volume 38, Issue 3, Aug 1992 Page(s):648 - 653
 Digital Object Identifier 10.1109/30.156749

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4. Asymmetric/unidirectional error correcting and detecting codes

Al-Bassam, S.; Bose, B.;
 Computers, IEEE Transactions on
 Volume 43, Issue 5, May 1994 Page(s):590 - 597
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5. A 3.5 in 230 Mbytes read-channel chip set for magneto-optical disk drives

Sang-Soo Lee; Laber, C.A.;
 Very Large Scale Integration (VLSI) Systems, IEEE Transactions on
 Volume 4, Issue 4, Dec. 1996 Page(s):455 - 463
 Digital Object Identifier 10.1109/92.544410

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6. Track-following control for optical disk drives using an iterative learning scheme

Jung-Ho Moon; Moon-Noh Lee; Myung Jin Chung; Soo Yul Jung; Dong Ho Shin;
 Consumer Electronics, IEEE Transactions on
 Volume 42, Issue 2, May 1996 Page(s):192 - 198
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7. **A CMOS 4x speed DVD read channel IC**
Chun-Sup Kim; Geo-Ok Cho; Yong-Hwan Kim; Bang-Sup Song;
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Digital Object Identifier 10.1109/4.705355
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(260 KB\)](#) | [IEEE JNL](#)
8. **Error and flow control in terabit intelligent optical backplanes**
Szymanski, T.H.; Tyan, V.;
Selected Topics in Quantum Electronics, IEEE Journal of
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Digital Object Identifier 10.1109/2944.778318
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(712 KB\)](#) | [IEEE JNL](#)
9. **Compact disc players in the laboratory: experiments in optical storage, error correction, and optical fiber communication**
Lane, P.M.; Van Dommelen, R.; Cada, M.;
Education, IEEE Transactions on
Volume 44, Issue 1, Feb 2001 Page(s):47 - 60
Digital Object Identifier 10.1109/13.912710
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(264 KB\)](#) | [IEEE JNL](#)
10. **Frequency-shaped sliding mode control for flying height of pickup head in near-field optical disk drives**
Wu, W.C.; Liu, T.S.;
Magnetics, IEEE Transactions on
Volume 41, Issue 2, Feb. 2005 Page(s):1061 - 1063
Digital Object Identifier 10.1109/TMAG.2004.842020
[AbstractPlus](#) | Full Text: [PDF\(160 KB\)](#) | [IEEE JNL](#)
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Dept. of Electr. Eng., Korea Adv. Inst. of Sci. & Technol., Seoul, South Korea.

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Abstract: In this paper, we propose an iterative learning scheme to deal with the periodic off-track errors in the track-following control system for optical disk drives. The periodic errors could be taken into account more effectively by employing an iterative learning algorithm since the errors of the previous period are used to improve the performance of current period. We show a sufficient condition for the convergence of the learning algorithm in the presence of bounded modeling uncertainty. In addition, the effects of the initial state error on the tracking performance are analyzed. Finally, the proposed learning algorithm is demonstrated to be feasible through experiments applying it to the track-following control for an optical disk drive.

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Controlled Indexing controllers iterative methods optical disc storage

Non-controlled Indexing	bounded modeling uncertainty	iterative learning scheme	optical disk drives	periodic off-track errors	sufficient condition	track-following control
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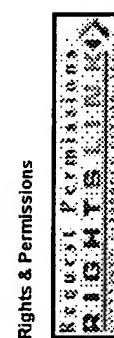
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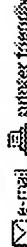
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Jung-Ho Moon, Moon-Noh Lee, Myung-Jin Chung, Seo-Yul Jang, Dong-Ho Shin,
Dept. of Electr. Eng., Korea Adv. Inst. of Sci. & Technol., Seoul, South Korea;

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Abstract

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